

ABSTRACT

The present invention relates to a micro-array system and the uses thereof. Particularly, the micro-array system is for a micro amount of biomolecules carrying on a bioreaction in a reaction solution, which
5 comprises a substrate comprising a plurality of micro-wells for receiving the reaction solution; a plurality of micro-beads placing in the reaction solution for the biomolecules attached on surfaces thereon; and a vibrating module for vibrating the substrate, which makes the biomolecules attached
10 on the micro-beads react evenly. Optionally, the micro-array system further comprises a temperature control module for controlling the temperature of the reaction solution. The bioreaction performed in the micro-array system according to the invention has the advantages of having a high sensitivity, being easily post-manipulated, being easily operated, having a high
15 reliability and being reusable.